

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/480,494B1811
#201/2DATE: 08/04/97
TIME: 13:00:02

INPUT SET: S19386.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Roeske, Roger W.
6
7 (ii) TITLE OF INVENTION: LHRH Antagonist Peptides
8
9 (iii) NUMBER OF SEQUENCES: 6
10
11 (iv) CORRESPONDENCE ADDRESS:
12 (A) ADDRESSEE: LAHIVE & COCKFIELD
13 (B) STREET: 60 State Street, Suite 510
14 (C) CITY: Boston
15 (D) STATE: Massachusetts
16 (E) COUNTRY: USA
17 (F) ZIP: 02109-1875
18
19 (v) COMPUTER READABLE FORM:
20 (A) MEDIUM TYPE: Floppy disk
21 (B) COMPUTER: IBM PC compatible
22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
23 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
24
25 (vi) CURRENT APPLICATION DATA:
26 (A) APPLICATION NUMBER: 08/480,494
27 (B) FILING DATE: 07-JUN-1995
28 (C) CLASSIFICATION:
29
30 (viii) ATTORNEY/AGENT INFORMATION:
31 (A) NAME: DeConti, Giulio A.
32 (B) REGISTRATION NUMBER: 31,503
33 (C) REFERENCE/DOCKET NUMBER: PPI-007
34
35 (ix) TELECOMMUNICATION INFORMATION:
36 (A) TELEPHONE: (617)227-7400
37 (B) TELEFAX: (617)227-5941
38
39
40 (2) INFORMATION FOR SEQ ID NO:1:
41
42 (i) SEQUENCE CHARACTERISTICS:
43 (A) LENGTH: 10 amino acids
44 (B) TYPE: amino acid
45 (D) TOPOLOGY: linear
46

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47 (ii) MOLECULE TYPE: peptide
48
49 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
50
51 Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
52 1 5 10
53
54
55 (2) INFORMATION FOR SEQ ID NO:2:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 10 amino acids
59 (B) TYPE: amino acid
60 (D) TOPOLOGY: linear
61
62 (ii) MOLECULE TYPE: peptide
63
64 (ix) FEATURE:
65 (A) NAME/KEY: Modified-site
66 (B) LOCATION: 1
67 (D) OTHER INFORMATION: /note= Xaa is pyroglutamyl or
68 acetylsarcosine
69
70 (ix) FEATURE:
71 (A) NAME/KEY: Modified-site
72 (B) LOCATION: 3
73 (D) OTHER INFORMATION: /note= Xaa is Trp or
74 3-(2-naphthyl)alaninyl
75
76 (ix) FEATURE:
77 (A) NAME/KEY: Modified-site
78 (B) LOCATION: 5
79 (D) OTHER INFORMATION: /note= Xaa is N-methyl-Ala, Tyr,
80 N-methyl-Tyr, Ser, N-e-2-propyl-lysiny, l,
81 (4'-chlorophenyl)alaninyl, His, Asn, Met, Ala, Arg or Ile
82
83 (ix) FEATURE:
84 (A) NAME/KEY: Modified-site
85 (B) LOCATION: 6
86 (D) OTHER INFORMATION: /note= Xaa is an amino acid having a
87 side chain comprising a dipolar moiety
88
89 (ix) FEATURE:
90 (A) NAME/KEY: Modified-site
91 (B) LOCATION: 7
92 (D) OTHER INFORMATION: /note= Xaa is Leu or Trp
93
94 (ix) FEATURE:
95 (A) NAME/KEY: Modified-site
96 (B) LOCATION: 8
97 (D) OTHER INFORMATION: /note= Xaa is N-e-2-propyl-lysiny, l,
98 Gln, Met or Arg
99

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100 (ix) FEATURE:
101 (A) NAME/KEY: Modified-site
102 (B) LOCATION: 10
103 (D) OTHER INFORMATION: /note= Xaa is Gly-NH2
104
105
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
107
108 Xaa His Xaa Ser Xaa Xaa Xaa Xaa Pro Xaa
109 1 5 10
110
111
112 (2) INFORMATION FOR SEQ ID NO:3:
113
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 10 amino acids
116 (B) TYPE: amino acid
117 (D) TOPOLOGY: linear
118
119 (ii) MOLECULE TYPE: peptide
120
121 (ix) FEATURE:
122 (A) NAME/KEY: Modified-site
123 (B) LOCATION: 1
124 (D) OTHER INFORMATION: /note= Xaa is pyroglutamyl or
125 acetylsarcosine
126
127 (ix) FEATURE:
128 (A) NAME/KEY: Modified-site
129 (B) LOCATION: 3
130 (D) OTHER INFORMATION: /note= Xaa is Trp or
131 3-(2-naphthyl)alaninyl
132
133 (ix) FEATURE:
134 (A) NAME/KEY: Modified-site
135 (B) LOCATION: 5
136 (D) OTHER INFORMATION: /note= Xaa is N-methyl-Ala, Tyr,
137 N-methyl-Tyr, Ser, N-e-2-propyl-lysiny,
138 (4'-chlorophenyl)alaninyl, His, Asn, Met, Ala, Arg or Ile
139
140 (ix) FEATURE:
141 (A) NAME/KEY: Modified-site
142 (B) LOCATION: 6
143 (D) OTHER INFORMATION: /note= Xaa is an amino acid having a
144 side chain comprising a cationic moiety
145
146 (ix) FEATURE:
147 (A) NAME/KEY: Modified-site
148 (B) LOCATION: 7
149 (D) OTHER INFORMATION: /note= Xaa is Leu or Trp
150
151 (ix) FEATURE:
152 (A) NAME/KEY: Modified-site

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PATENT APPLICATION US/08/480,494BDATE: 08/04/97
TIME: 13:00:08

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153 (B) LOCATION: 8
154 (D) OTHER INFORMATION: /note= Xaa is N-e-2-propyl-lysinyI,
155 Gln, Met or Arg
156
157 (ix) FEATURE:
158 (A) NAME/KEY: Modified-site
159 (B) LOCATION: 10
160 (D) OTHER INFORMATION: /note= Xaa is Gly-NH2
161
162
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
164
165 Xaa His Xaa Ser Xaa Xaa Xaa Xaa Pro Xaa
166 1 5 10
167
168
169 (2) INFORMATION FOR SEQ ID NO:4:
170
171 (i) SEQUENCE CHARACTERISTICS:
172 (A) LENGTH: 10 amino acids
173 (B) TYPE: amino acid
174 (D) TOPOLOGY: linear
175
176 (ii) MOLECULE TYPE: peptide
177
178 (ix) FEATURE:
179 (A) NAME/KEY: Modified-site
180 (B) LOCATION: 1
181 (D) OTHER INFORMATION: /note= Xaa is pyroglutamyl or
182 acetylsarcosine
183
184 (ix) FEATURE:
185 (A) NAME/KEY: Modified-site
186 (B) LOCATION: 3
187 (D) OTHER INFORMATION: /note= Xaa is Trp or
188 3-(2-naphthyl)alaninyl
189
190 (ix) FEATURE:
191 (A) NAME/KEY: Modified-site
192 (B) LOCATION: 5
193 (D) OTHER INFORMATION: /note= Xaa is N-methyl-Ala, Tyr,
194 N-methyl-Tyr, Ser, N-e-2-propyl-lysinyI,
195 (4'-chlorophenyl)alaninyl, His, Asn, Met, Ala, Arg or Ile
196
197 (ix) FEATURE:
198 (A) NAME/KEY: Modified-site
199 (B) LOCATION: 6
200 (D) OTHER INFORMATION: /note= Xaa is an amino acid having a
201 side chain comprising a receptor-modifying moiety
202
203 (ix) FEATURE:
204 (A) NAME/KEY: Modified-site
205 (B) LOCATION: 7

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206 (D) OTHER INFORMATION: /note= Xaa is Leu or Trp
207
208 (ix) FEATURE:
209 (A) NAME/KEY: Modified-site
210 (B) LOCATION: 8
211 (D) OTHER INFORMATION: /note= Xaa is N-e-2-propyl-lysiny, Gln, Met or Arg
212
213
214 (ix) FEATURE:
215 (A) NAME/KEY: Modified-site
216 (B) LOCATION: 10
217 (D) OTHER INFORMATION: /note= Xaa is Gly-NH2
218
219
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
221
222 Xaa His Xaa Ser Xaa Xaa Xaa Xaa Pro Xaa
223 1 5 10
224
225
226 (2) INFORMATION FOR SEQ ID NO:5:
227
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 10 amino acids
230 (B) TYPE: amino acid
231 (D) TOPOLOGY: linear
232
233 (ii) MOLECULE TYPE: peptide
234
235 (ix) FEATURE:
236 (A) NAME/KEY: Modified-site
237 (B) LOCATION: 1
238 (D) OTHER INFORMATION: /note= Xaa is pyroglutamyl or acetylsarcosine
239
240
241 (ix) FEATURE:
242 (A) NAME/KEY: Modified-site
243 (B) LOCATION: 3
244 (D) OTHER INFORMATION: /note= Xaa is Trp or 3-(2-naphthyl)alaninyl
245
246
247 (ix) FEATURE:
248 (A) NAME/KEY: Modified-site
249 (B) LOCATION: 5
250 (D) OTHER INFORMATION: /note= Xaa is N-methyl-Ala, Tyr, N-methyl-Tyr, Ser, N-e-2-propyl-lysiny, (4'-chlorophenyl)alaninyl, His, Asn, Met, Ala, Arg or Ile
251
252
253
254 (ix) FEATURE:
255 (A) NAME/KEY: Modified-site
256 (B) LOCATION: 6
257 (D) OTHER INFORMATION: /note= Xaa is an amino acid having a side chain comprising an N-acyl hydrophilic moiety
258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/480,494B

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Original Text